SELF-INTERFERENCE REMOVAL USING CONVERTER COMPENSATION IN A RELAYED COMMUNICATION SYSTEM

ABSTRACT OF THE DISCLOSURE

Self-interference cancellation in two-way relayed communications is improved by creating models of upconverter and downconverter imperfections and then compensating for those imperfections before self interference cancellation processing. The model includes compensation for phase offset, for amplitude imbalance and for leakage in the mixers.

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Figure 1